

BLAST-IT-ALL®

HESS MANUFACTURING, INC.

SALISBURY, NC 28147

TOLL FREE: (800) 535-2612 ☎ FAX: (704) 638-9311

STRIP 'N' VAC

PLASTIC MEDIA PAINT STRIPPER

- HI - STATIC VACUUM RECOVERY
- 120 VOLT ELECTRICAL SERVICE
- 25 FT. VACUUM RECOVERY HOSE
- NON - CLOG PICK UP WAND
- PULSE JET CARTRIDGE CLEANING
- MAGNEHELIC GAUGE / FILTER MONITOR
- QUICK RECOVERY
- DEBRIS SCREEN
- 10 CU. FT. STORAGE HOPPER
- DEADMAN CONTROLS
- ADJUSTABLE MEDIA FLOW VALVE
- 25 FT. BLAST HOSE WITH 5 / 16 CARBIDE NOZZLE
- 90 CFM @ 60 PSI REQUIRED 25 HP (5 / 16 NOZZLE)



BLAST
&
RECOVERY

STRIP-N-VAC™

HESS MANUFACTURING, INC.
BLAST-IT-ALL®
P.O. BOX 1615
SALISBURY, NC 28145

WWW.BLAST-IT-ALL.COM

MANUAL NUMBER: 507

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WARNING

DO NOT USE SAND. SAND WILL CAUSE SILICA DUST, WHICH IS THE CAUSE OF SILICOSIS DISEASE, A CONDITION OF MASSIVE FIBROSIS OF THE LUNGS. THIS STATEMENT INDICATES POTENTIAL PERSONNEL HAZARD.

**FAILURE TO COMPLY WITH THESE INSTRUCTIONS
MAY RESULT IN PERSONAL INJURY.**

WEBSITE CONCERNING SILICOSIS:

<http://www.osha.gov/Silica/IT69D 1.html>

STRIP-N-VAC™

SET-UP INSTRUCTIONS

*** READ BEFORE OPERATING EQUIPMENT ***

1. Remove equipment from pallets.
2. Connect compressed air to air filter or pipe string.
3. Lift and attach reclaim to debris screen flange.
4. Connect smaller flex hose to side inlet on reclaim and pick-up tube.
5. Connect 5" flex hose from top of reclaim to inlet on dust collector.
6. Connect compressed air line to air header / regulator on dust collector pulse control.
7. Plug dust collector supply cord into dedicated 120 V receptacle.

OPERATING INSTRUCTIONS

*** READ BEFORE OPERATING EQUIPMENT ***

1. **To Load Media:**
 - A. Turn Dust Collector on.
 - B. Place media pick-up tube in drum of media.
 - C. Fill system until media is at site gauge on hopper.
2. **To Blast:**
 - A. Turn on compressed air.
 - B. Have operator suit-up with protective clothing.
 - C. Grasp nozzle and point away from operator.
 - D. Depress (Safety Deadman).
 - E. Adjust air regulator 40 - 60 PSI.
 - F. Adjust media valve as needed for proper media flow.

*** THERE SHOULD BE A SMALL AMOUNT OF MEDIA AND A LARGER AMOUNT OF COMPRESSED AIR COMING FROM NOZZLE.**

TOUBLE SHOOTING PROCEDURES

WARNING

Never attempt to do any maintenance on this system if it is under pressure it has the capability of being pressurized. Turn off all air supply and electrical sources before servicing.

NO MEDIA DISCHARGE FROM NOZZLE

- A. Make certain that the blast hose is secured at pressure pot.
- B. Inspect the abrasive valve and the blast hose for blockage.
- C. Check the supply of media in the hopper.
- D. Make sure media valve is adjusted open to the proper setting (Counterclockwise).

ABRASIVE FOW IS SPITTING OR IRREGULAR

- A. Adjust media control valve clockwise to reduce media.
- B. Excess moisture within the air lines will cause an unsteady stream of abrasives from the nozzles. Check the air dryer on the blast generator.

NO AIR PRESSURE AT NOZZLE

- A. Check blast hose for leakage.
- B. Make sure compressed air is applied to the pressure pot and regulator is set.
- C. Check the by-line and deadman switch for leaks. When the handle is lowered to the blasting position with the safety button in, there should be no sir escaping from the switch body.
- D. Check purge hose for internal wear.
- E. Check pop-up valve and seal for leakage.

UNIT NO RECOVERING MEDIA

- A. Check pickup wand or floor section and flex hose for media clogs.
- B. Make sure all motors are running in the dust collector.
- C. Check reading of magnehelic guage on the dust collector.

HIGH MAGNEHELIC GAUGE READING (ON DUST COLLECTOR)

Magnehelic reading on a new cartridge should be approximately .5"WC or lower. As the cartridge seasons (get dirty) the reading will increase. Maximum reading is 10"WC.

- A. Push the pulse button several times with the motors running to see if reading comes down
- B. If magnehelic reading does not come down with on line pulsing, turn the motors off and pulse twice. Turn motors on and note reading.
- C. If reading continues to be high, replace cartridge.

HESS MANUFACTURING, INC.
SALISBURY NORTH CAROLINA

DESCRIPTION: MEDIA PICKUP TUBE VACUUM D.C.	MATERIAL: PER DWG.
---	-----------------------

DRAWN BY: LJF	DATE: 11/29/01	SCALE: 1/12"=1'	JOB NO.: STD.	DRAWING NO.: A7195
CHECKED BY:	DATE:	FRACTIONAL: ANGULAR:	NEXT ASS'Y.:	

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FIGURE 2

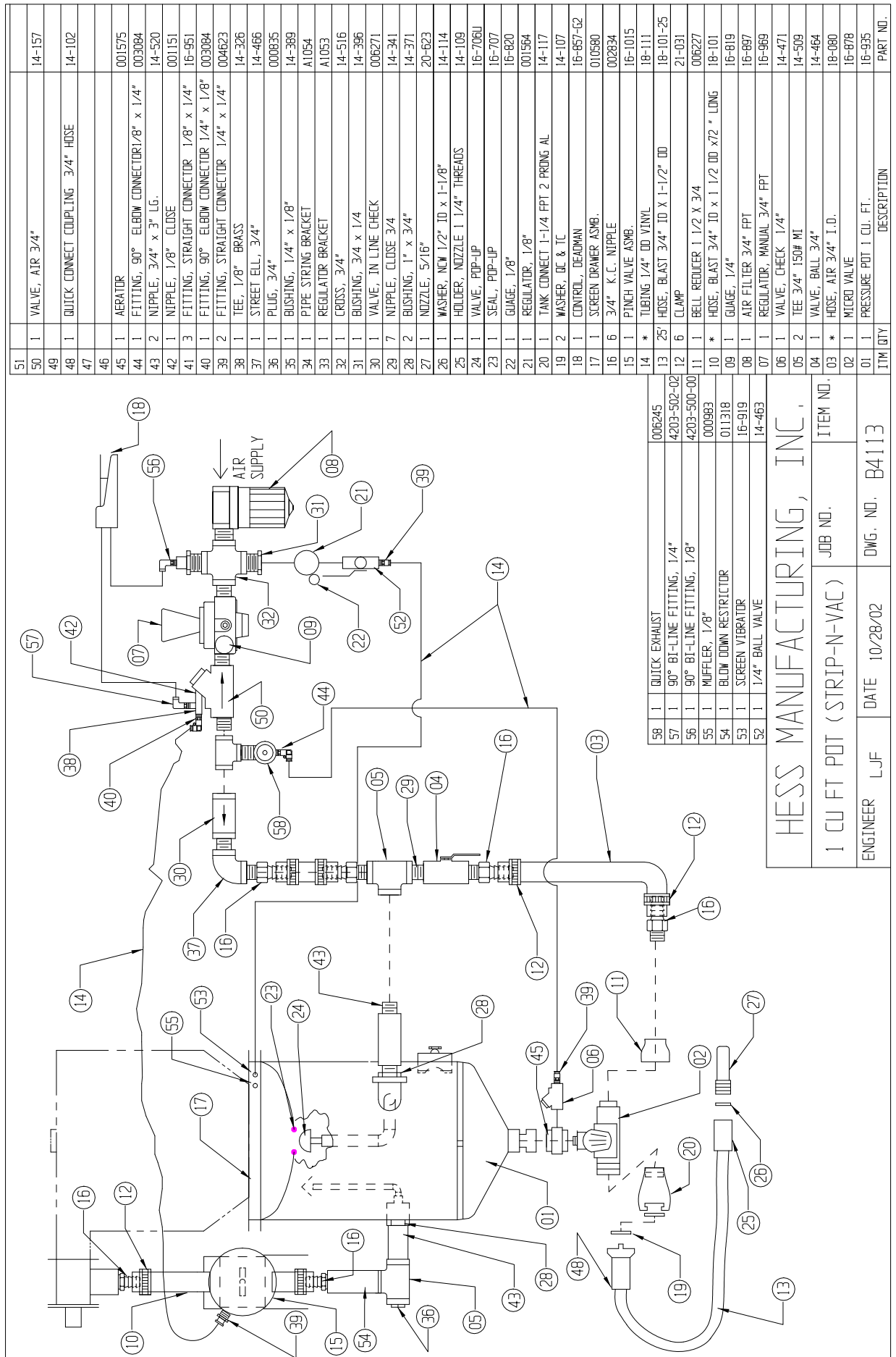


FIGURE 3

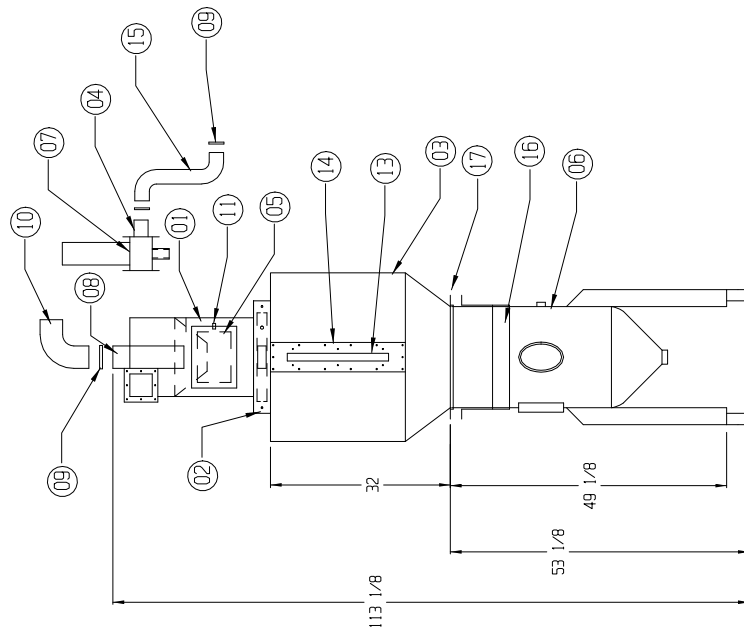


FIGURE 4

17	1	PRESSURE POT ADAPTOR FLANGE	A30119-PIR
16	1	PRESSURE POT ADAPTOR STRAP	A30172
15	25'	2.5 VACUUM HOSE	19-090-25
14	1	SIGHT GLASS FLANGE	B2123-3
13	1	SIGHT GLASS	010829
12	1	RECLAIMER BAFFLE	A1007
11	1	DOOR LATCH & CATCH	15-728
10	5'	FLEX HOSE (4")	19-092
09	4	CLAMP	21-034
08	1	TOP OUTLET	A1047
07	1	PURGE ADAPTOR	B1007
06	1	PRESSURE POT (3.5 CU.FT.)	
05	1	DOOR & GASKET	11-702
04	1	2.5" INLET	A1001-6
03	1	STORAGE HOPPER 30Ø	B1241-PIR
02	1	TRASH SCREEN	A267
01	1	400 CFM REC. W/ SQ. BOTTOM FLANGE	A1034

ITEM NO.	QTY.	DESCRIPTION	DWG. NO. / MATERIAL
HESS MANUFACTURING, INC. SALISBURY, NORTH CAROLINA			

DESCRIPTION:				MATERIAL:			
400 REC. W/PRESSURE POT				PER DWG.			
DRAWN BY:	DATE:	SCALE:	JOB NO:	DRAWING NO.: A1072			
D. CLINTON	06/07/16	1/32" = 1"					
CHK'D BY:	DATE:	FRONT VIEW:	KEY ASS'Y:				
		SECTION:	ANGLE:				
NO.	REVISION	BY	DATE	NO.	REVISION	BY	DATE

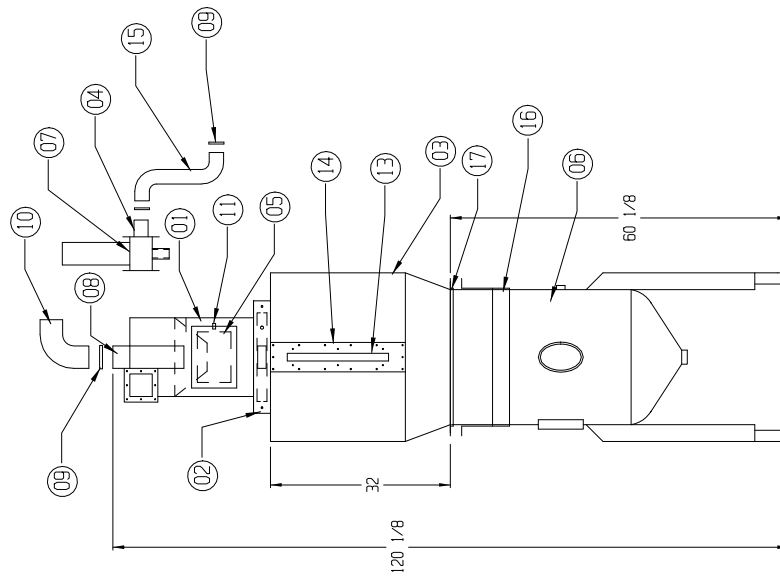
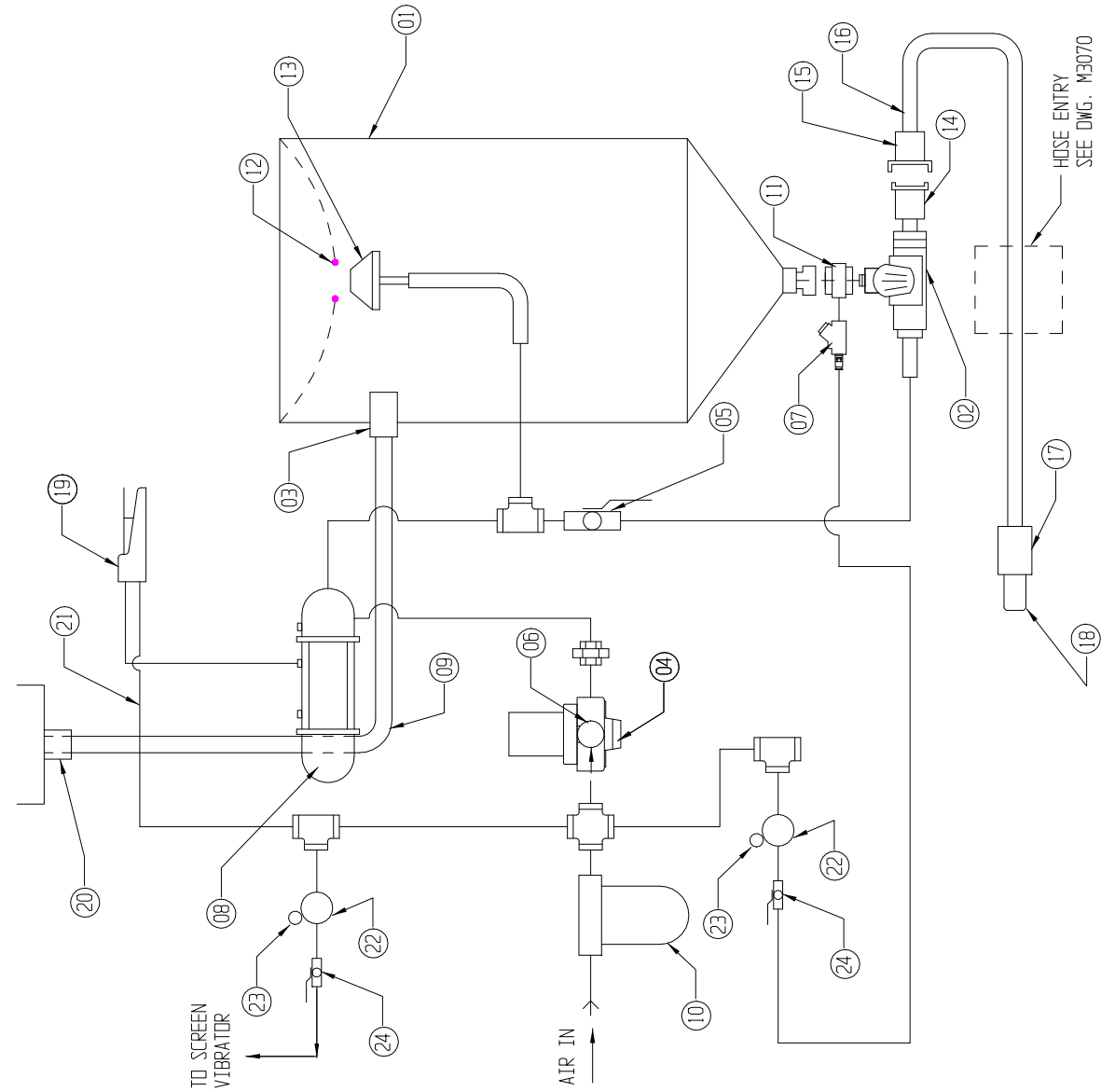


FIGURE 5

17	1	PRESSURE POT ADAPTOR FLANGE	A30169
16	1	PRESSURE POT ADAPTOR STRAP	A30170
15	25'	2.5 VACUUM HOSE	19-090-25
14	1	SIGHT GLASS FLANGE	B2123-3
13	1	SIGHT GLASS	010829
12	1	RECLAIMER BAFFLE	A1007
11	1	DOOR LATCH & CATCH	15-728
10	5'	FLEX HOSE (4")	19-092
09	4	CLAMP	21-034
08	1	TOP OUTLET	A1047
07	1	PURGE ADAPTOR	B1007
06	1	PRESSURE POT (6.5 CU.FT.)	
05	1	DOOR & GASKET	11-702
04	1	2.5" INLET	A1001-6
03	1	STORAGE HOPPER 300#	B1231-PIR
02	1	TRASH SCREEN	A267
01	1	400 CFM REC. W/ SQ. BOTTOM FLANGE	A1034
ITEM NO.	QTY.	DESCRIPTION	DWG.NO./ MATERIAL
HESS MANUFACTURING, INC. SALISBURY, NORTH CAROLINA			
DESCRIPTION: 400 REC. W/PRESSURE POT			
MATERIAL: PER DWG.			
DRAWN BY: D. CLINTON	DATE: 09/18/14	SCALE: 1/32" = 1"	JOB NO.:
CHECK'D BY:		FRACTIONAL:	NEXT ASS'Y.:
DRAWING NO.: A1065			

NO.	REVISION	RY	DATE	NO.	REVISTION	RY	DATE
DESCRIPTION: 400 REC. W/PRESSURE POT				MATERIAL: PER DWG.			
DRAWN BY: D. CLINTON		DATE: 09/18/14		SCALE: $1/32" = 1"$		JOB NO.:	
CHECK'D BY:		DATE:		FRACTIONAL: DECIMAL: DECIP:		NEXT ASSY.:	
						A1065	



24	2	BALL VALVE, 1/4"	14-463
23	2	GAUGE, 1/8"	16-820
22	2	REGULATOR, 1/8"	001564
21	1	BI LINE 55'	16-872
20	1	PURGE ADAPTOR	
19	1	CONTROL, DEADMAN (AIR)	16-857
18	1	NOZZLE, 5/16"	20-623
17	1	NOZZLE HOLDER, 3/4"	14-109
16	1	BLAST HOSE, 3/4" x 25'	18-10125
15	1	QUICK COUPLING, 3/4"	14-102
14	1	TANK COUPLING, 1 1/2"	14-118
13	1	PRESSURE POT POP-UP VALVE	1016020
12	1	PRESSURE POT POP-UP SEAL	1016050
11	1	AERATOR	001575
10	1	AIR FILTER 1 1/2"	001968
09	1	BLOW DOWN HOSE, 3/4" x 17'	18-101
08	1	COMBO VALVE	16-877
07	1	VALVE, CHECK 1/4"	14-471
06	1	AIR GAGE	16-819
05	1	BALL VALVE, 1 1/4"	14-452
04	1	REGULATOR, 1-1/2"	002920
03	1	NOZZLE HOLDER	14-109
02	1	MICRO VALVE	16-878
01	1	PRESSURE POT 6.5 OR 3.5 CU. FT.	
ITM	QTY	DESCRIPTION	PART NO.

HESS MANUFACTURING, INC.

PRESSURE POT		FOR 6.5 & 3.5 P.P.	JOB NO.	ITEM NO.
ENGINEER		DEC	DATE 09/22/14	DWG. NO. B4176-25
		STRIP-N-VAC		

FIGURE 6

FIGURE 7

A2640-N1

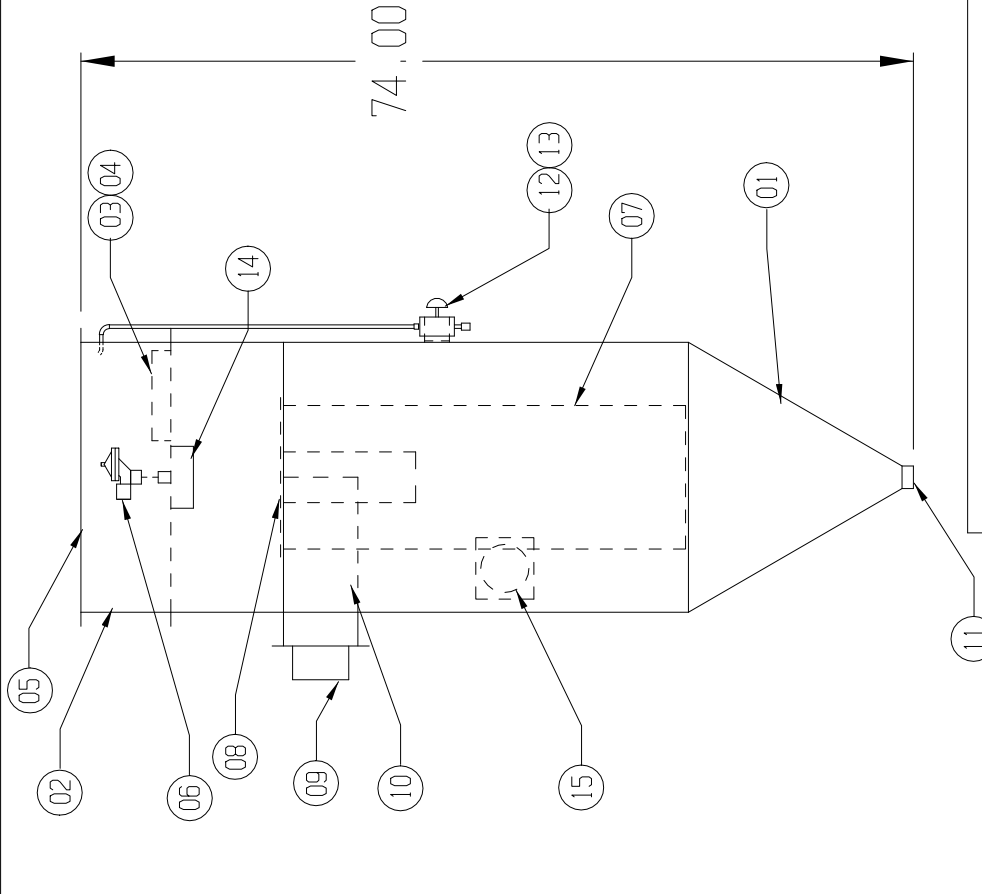


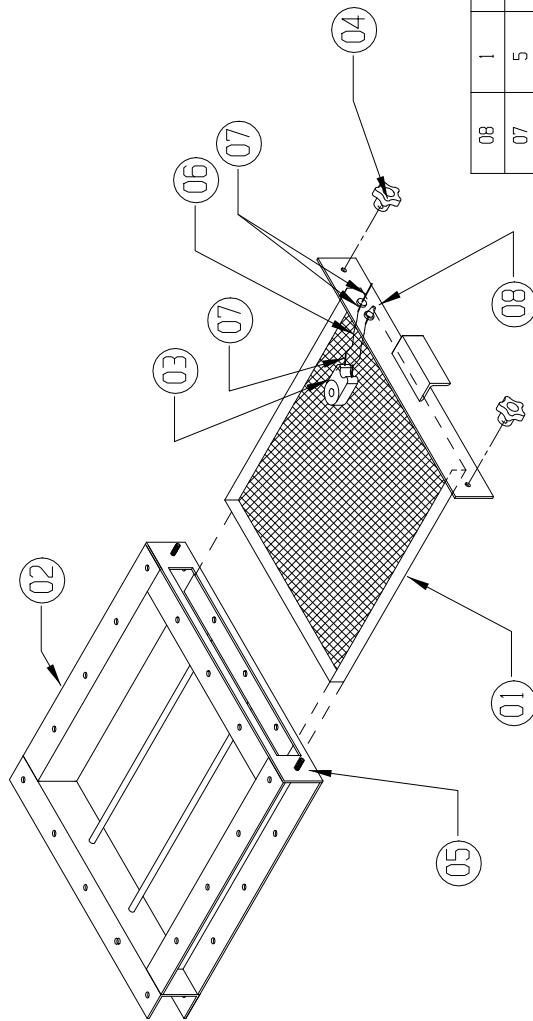
FIGURE 7A

ITEM NO.	QTY.	DESCRIPTION	DWG. NO./ MATERIAL
17		CUT SHEET	A2641-1
16	1	CARTRIDGE TRIANGULAR HOLDER	A2547
15	1	MAGNETIC GAGE	004457-10
14	1	AIR DIFFUSER	012492
13	1	SHAKER VALVE BRACKET	A2612
12	1	SHAKER VALVE, 1/8"	16-830
11	1	2" PIPE CAP	010212
10	1	BAFFLE	A1203-6
09	1	INLET	11-705
08	1	CARTRIDGE CAP	A2613
07	1	CARTRIDGE	006870
06	1	GOVAN VALVE, 1"	005410
05	1	TOP COVER ASS'Y.	
04	12	MOTOR HOLDER BOLTS (3 PER MOTOR)	
03	4	MOTOR, 220V, 60/50 Hz, 4.4 AMP.	012418
02	1	TOP MOTOR CHAMBER ASS'Y.	B2201
01	1	VACUUM DUST COLLECTOR BODY ASS'Y.	B2202

HESS MANUFACTURING, INC.
SALISBURY, NORTH CAROLINA

DESCRIPTION:		MATERIAL:	
24" Ø VACUUM DUST COLLECTOR		PER DWG.	
DRAWN BY:	DATE:	SCALE:	JOB NO:
DEC	06/06/16	1/16" = 1"	
CHK'D BY:	DATE:	FRONT VIEW:	KEY ASS'Y:
		SECTION:	
		ANGLE:	

DRAWING NO.: A2640-N1



08	1	1/4" MUFFER	000983
07	5	1/4" FITTING	16-951
06	*	1/4" TUBING	18-111
05	3 FT.	1/8" x 3/4" GASKET	24-021
04	2	PLASTIC 5 ARM KNOB	59625K33
03	1	VIBRATOR (OPTIONAL)	16-919
02	1	TRASH SCREEN HOUSING	A268
01	1	REPLACEMENT DRAWER (1/4" HOLES)	010581-1
01	1	REPLACEMENT DRAWER (3/16" HOLES)	010581
ITEM NO.	QTY.	DESCRIPTION	DWG. NO. / MATERIAL

HESS MANUFACTURING, INC.
SALISBURY NORTH CAROLINA

DESCRIPTION: TRASH SCREEN ASM.
010580

MATERIAL:

DATE:	SCALE:	JOB NO.
1/19/84	3/32" = 1"	STD.
DATE:	FRACTIONAL:	KEY ASST'Y:
	DECIMAL:	ANGLE:

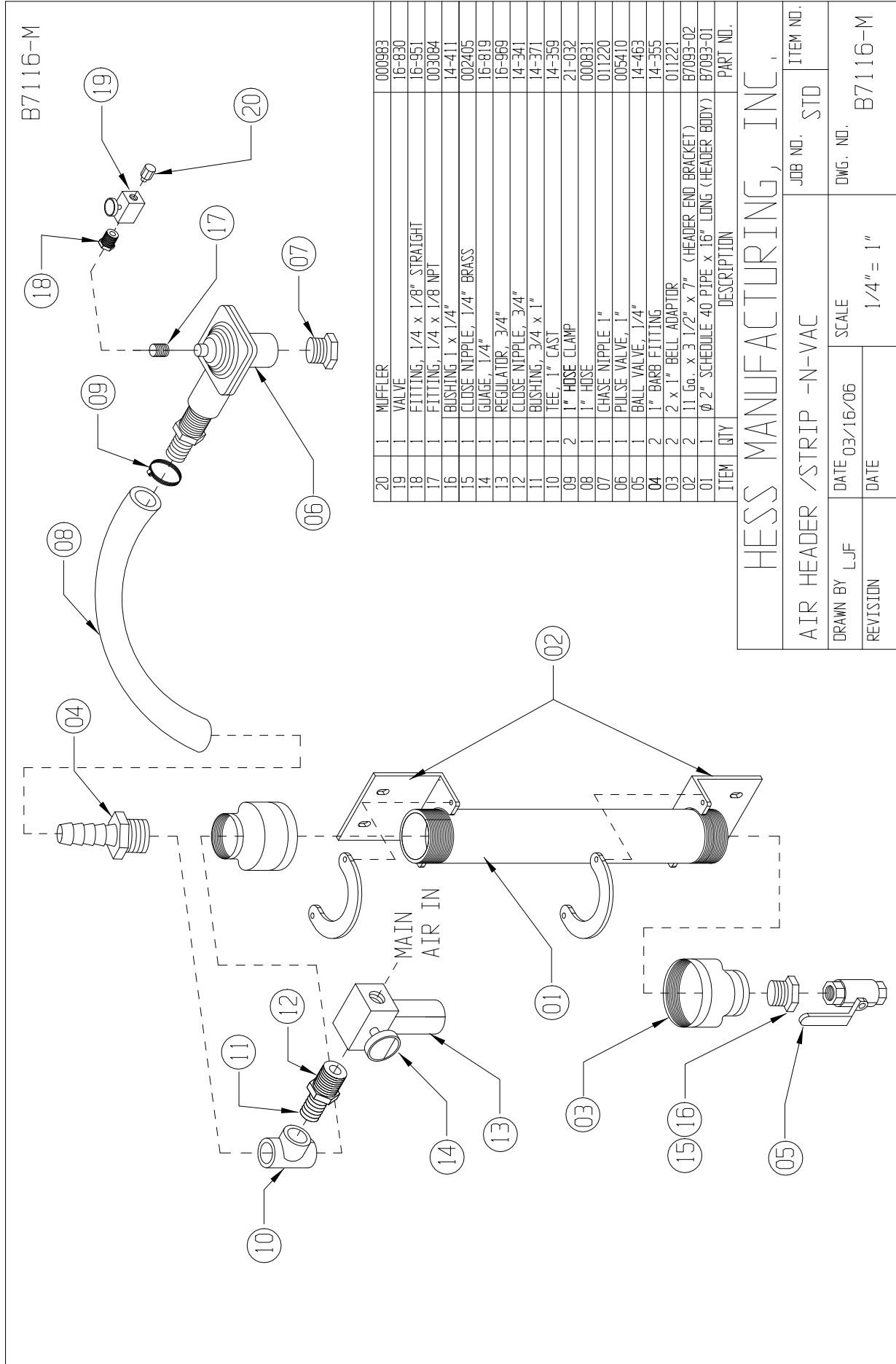
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REV.	DESCRIPTION	BY	DATE
#2	UPDATED	DEC	10/30/12
#1	MADE MANUAL DWG.	DEC	5/28/03

FIGURE 8



HESS MANUFACTURING, INC.			
AIR HEADER /STRIP -N-VAC		JOB NO.	STD
DRAWN BY L.J.F.		DWG. NO.	B7116-M
REVISION		SCALE	1/4" = 1"
DATE 03/16/06			
DATE			

FIGURE 9

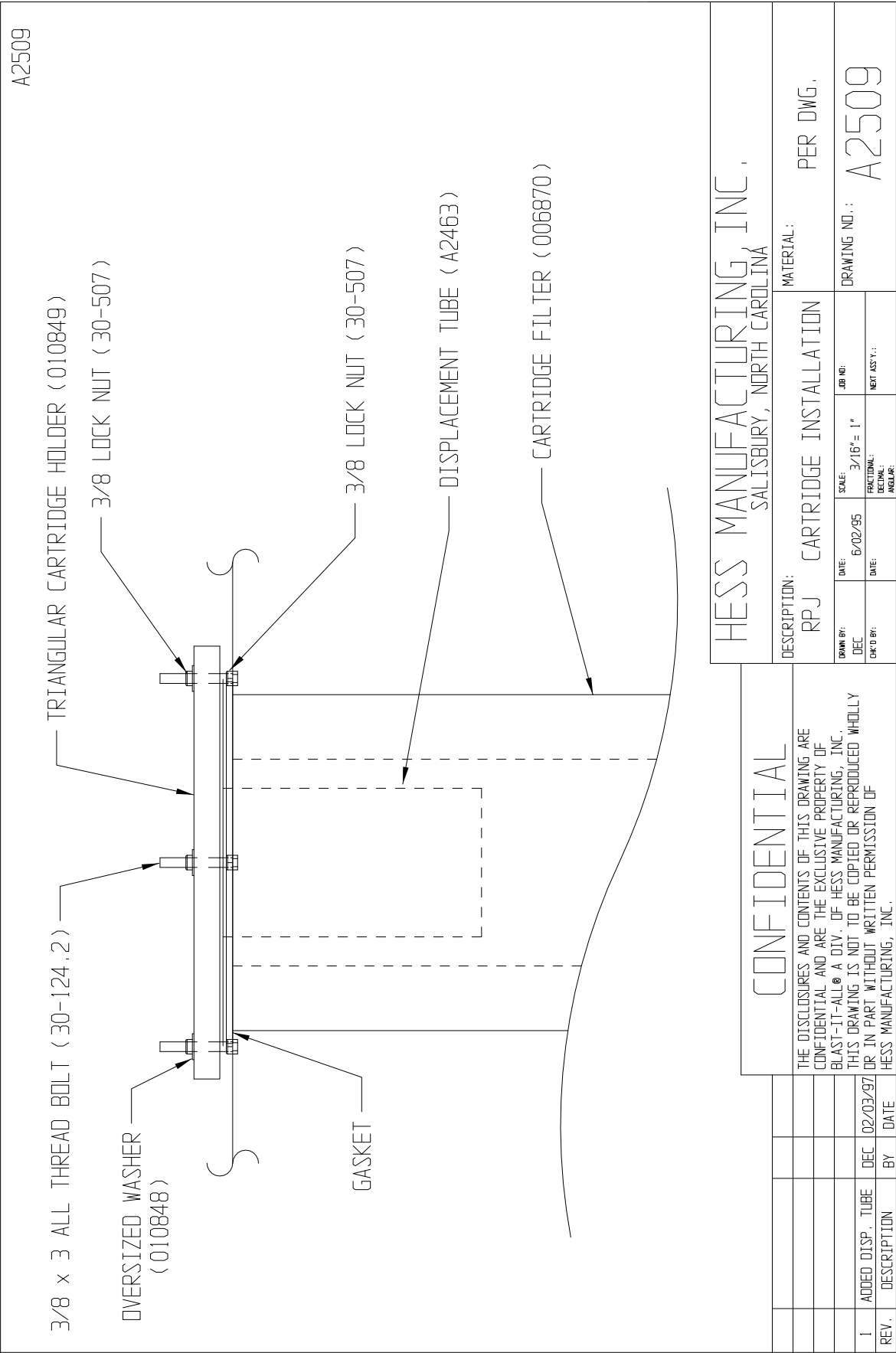
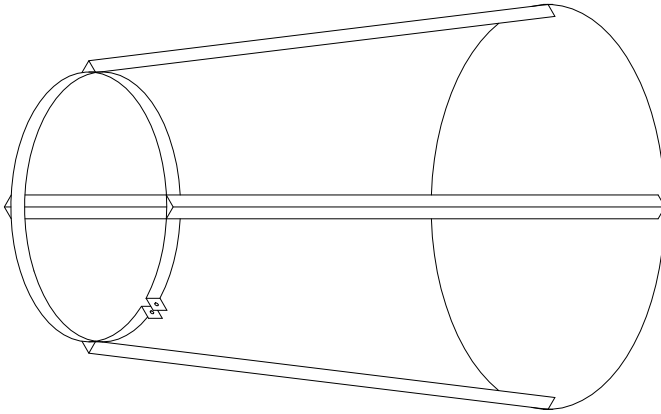


FIGURE 10

A2643-N



HESS MANUFACTURING, INC.
SALISBURY, NORTH CAROLINA

DESCRIPTION:
VACUUM DUST COLLECTOR STAND

MATERIAL:
PER DWG.

DRAWING NO.: A2643-N

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NEXT ASSY:

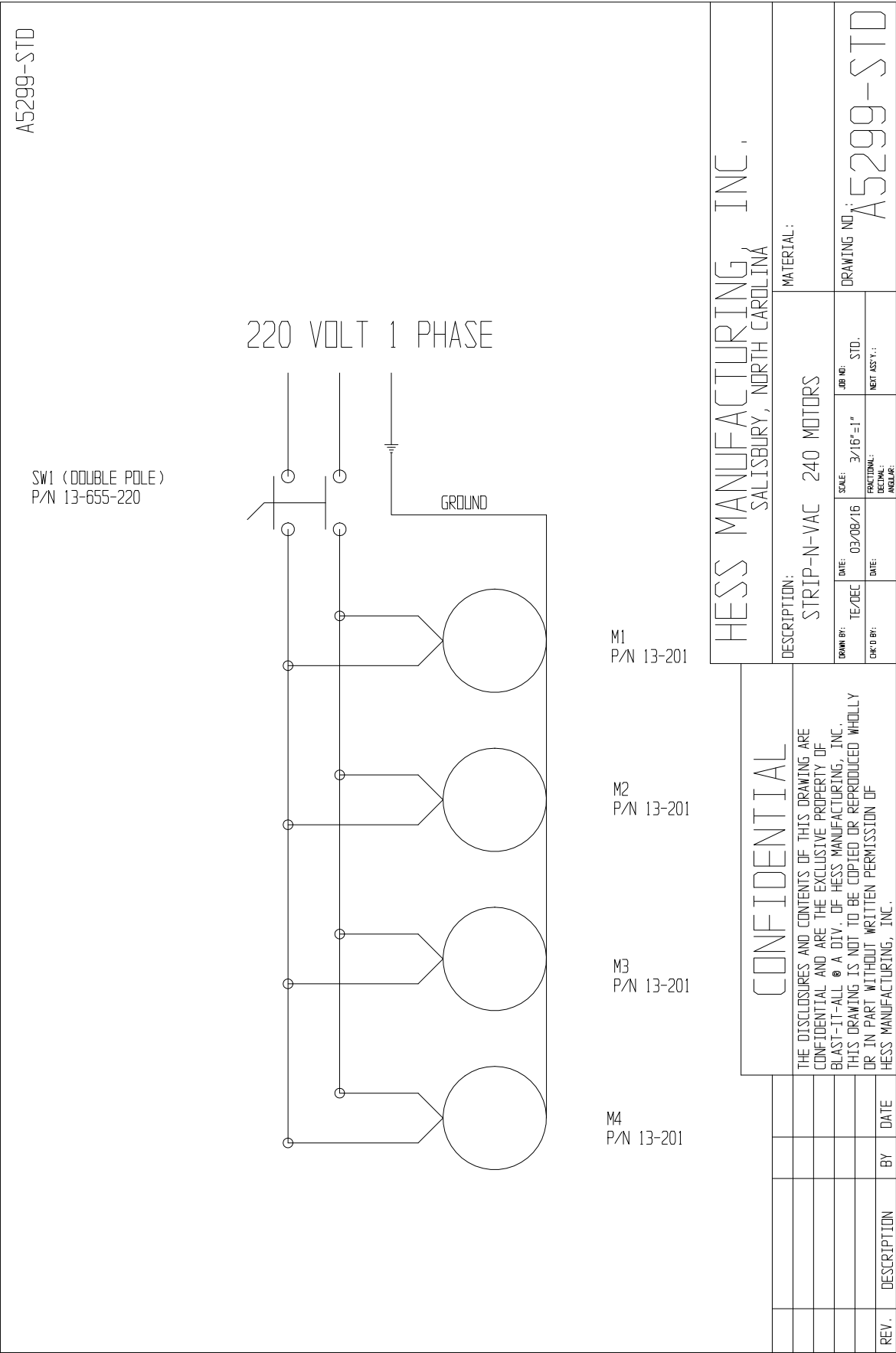
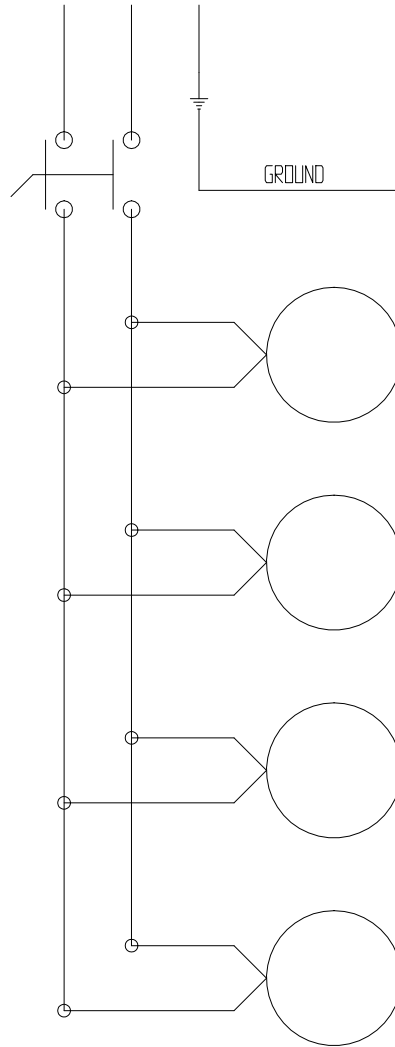


FIGURE 12

A5299

SW1 (DOUBLE POLE)
P/N 13-655-220

220 VOLT 1 PHASE



M1
P/N 012418

M2
P/N 012418

M3
P/N 012418

M4
P/N 012418

HESS MANUFACTURING, INC.
SALISBURY, NORTH CAROLINA

MATERIAL:

DESCRIPTION:

STRIP-N-VAC 240 MOTORS

DRAWING NO.: A5299

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THIS DRAWING IS NOT TO BE COPIED OR REPRODUCED WHOLLY
OR IN PART WITHOUT WRITTEN PERMISSION OF
HESS MANUFACTURING, INC.

DATE: 06/06/16
SCALE: 3/16"=1"
JOB NO. STD.
KEY ASSY:

DATE: 12/DEC
CHECK BY: 12/DEC
REVISION: 12/DEC
ANGULAR:

REV.	DESCRIPTION	BY	DATE

FIGURE 12A

SPARE PARTS LIST

006870	Dust Collector Cartridge
18-10125	Blast Hose ¾" X 25'
14-109	Nozzle Holder
14-102	Quick Coupling
20-623	Nozzle, 5/16"
19-090-25	Vacuum Hose 2-1/2" X 25'
18-10112.5	Purge Hose ¾" X 12-1/2' (makes 2)
16-857-G2	Deadman Control

FIGURE 13



BLAST-IT-ALL®

A Division of Hess Manufacturing Inc.
185 Piper Lane Salisbury, NC 28147
P O Box 1615 Salisbury, NC 28145
Toll Free 800-535-2612
Fax 704-638-9311



Hess Manufacturing Inc. Warrants to the original purchaser of the merchandise sold, to be free from defects in material or workmanship under normal use and service for a period of (5) years. **This warranty does not cover typical wear items.** Upon prompt notification by the purchaser, to HM, components that are determined by HM to be defective will be repaired or replaced at no additional charge F.O.B. our factory.

This warranty requires the following:

- 1) **A completed and returned Warranty Registration card.**
- 2) **Use of Genuine Blast-it-all® OEM replacement parts purchased through Hess Manufacturing Inc. Blast-it-all® to include common wear items. For the entire period of the warranty.**
- 3) **Failures to provide proof of the purchase of Blast-it-all® OEM wear Items voids warranty.**

Manufacturer shall have the right to inspect prior replacing all merchandise in question.

Manufacturer shall not be required to pay any removal or installation charges whatsoever

Manufacturer shall not be held liable for prospective profits, special or consequential damages, nor shall any recovery of any kind against manufacturer be greater in amount the cost of the repairs of defects in workmanship

This warranty does not apply to damage caused by accidents, damage occurring during transit, alterations by unauthorized personnel, abuse or damage by flood, fire or acts of God, nor by artificially generated electric currents or any other cause whatsoever except defects in material or factory workmanship.

In ALL cases, defective parts must be returned to Hess Manufacturing Inc. before credit is issued.

This warranty is in lieu of all other warranties expressed, written or implied and releases Hess Manufacturing Inc. of all other obligations and liabilities whatsoever. This warranty neither assumes nor authorizes any person any obligation other than those specified by this warranty.



DO NOT USE SAND! SAND WILL CAUSE SILICA DUST, WHICH IS THE CAUSE OF SILICOSIS DISEASE, A CONDITION OF MASSIVE FIBROSIS OF THE LUNGS. THIS STATEMENT INDICATES POTENTIAL PERSONEL HAZARD. FAILURE TO COMPLY WITH THESE INSTRUCTIONS MAY RESULT IN PERSONAL INJURY.